



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: **P-633 (TI-0020)**

Inventors: **Taylor and Yu**

Serial No.: **09/873,645**

Filing Date: **June 4, 2001**

Examiner: **Sheinberg, Monika B.**

Customer No.: **26259**

Group Art Unit: **1634**

Confirmation No.: **4460**

Title: **Analysis of Data from Liquid Chromatographic Separation of DNA**

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Date of Deposit **November 19, 2004**

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop RCE, P. O. Box 1450, Alexandria, VA 22313-1450.

By Jane Massey Licata
Typed Name: **Jane Massey Licata, Reg. No. 32,257**

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Commissioner for Patents
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INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).

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- In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.
- In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:
 - Certification in Accordance with §1.97(e) is attached hereto; or
 - Authorization to charge Deposit Account No. 50-1619 the fee of \$180.00 as set forth in §1.17(p) is provided.
- In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(I)(1).

Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____, filed _____, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

All listed references are in the English language.

Respectfully submitted,

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Date: November 19, 2004

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Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce			Docket No. TI-0020	Serial No. 09/873,645
			Applicant Taylor and Yu	
			Filing Date June 4, 2001	Group 1634
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
	AA	Arnold et al., "A Highly Sensitive, Fast, and Economical Technique for Mutation Analysis in Hereditary Breast and Ovarian Cancers", Human Mutation 1999 14:333-339		
	AB	Dobson-Stone et al., "Comparison of fluorescent single-strand conformation polymorphism analysis and denaturing high-performance liquid chromatography for detection of <i>EXT1</i> and <i>EXT2</i> mutations in hereditary multiple exostoses" European Journal of Human Genetics 200 8:24-32		
	AC	Ellis et al., "A Comparison of Fluorescent SSCP and Denaturing HPLC for High Throughput Mutation Scanning", Human Mutation 2000 15:556-564		
	AD	Giordano et al., "Identification by Denaturing High-Performance Liquid Chromatography of Numerous Polymorphisms in a Candidate Region for Multiple Sclerosis Susceptibility", Genomics 1999 56:247-253		
	AE	Gross et al., "A comparison of BRCA1 mutation analysis by direct sequencing, SSCP and DHPLC", Hum Genet 1999 105:72-78		
	AF	Jones et al., "Optimal Temperature Selection for Mutation Detection by Denaturing HPLC and Comparison to Single-Stranded Conformation Polymorphism and Heteroduplex Analysis", Clinical Chemistry 1999 45(8):1133-1140		
	AG	Liu et al., "Denaturing high performance liquid chromatography (DHPLC) used in the detection of germline and somatic mutations", Nucleic Acids Research 1998 26(6):1396-1400		
	AH	O'Donovan et al., "Blind Analysis of Denaturing High-Performance Liquid Chromatography as a Tool for Mutation Detection", Genomics 1998 52:44-49		
	AI	Ophoff et al., "Familial Hemiplegic Migraine and Episodic Ataxia Type-2 Are Caused by Mutations in the Ca^{2+} Channel Gene CACNL1A4", Cell 1996 87:543-552		
EXAMINER			DATE CONSIDERED	



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Form PTO-1449 Modified List of Patents and Publications Cited by Applicant (Use several sheets if necessary)		Docket No. TI-0020	Serial No. 09/873,645
		Applicant Taylor and Yu	
U.S. Department of Commerce		Filing Date June 4, 2001	Group 1634

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AJ	Underhill et al., "A pre-Columbian Y chromosome-specific transition and its implications for human evolutionary history", Proc. Natl. Acad. Sci. USA 1996 93:196-200
AK	Underhill et al., "Detection of Numerous Y Chromosome Biallelic Polymorphisms by Denaturing High-Performance Liquid Chromatography", Genome Research 1997 7:996-1005
AL	Wagner et al., "BRCA1-Related Breast Cancer in Austrian Breast and Ovarian Cancer Families:Specific BRCA1 Mutations and Pathological Characteristics", Int. J. Cancer 1998 77:354-360
AM	Wagner et al., "Global sequence diversity of BRCA2:analysis of 71 breast cancer families and 95 control individuals of worldwide populations", Human Molecular Genetics 1999 8(3):413-423

EXAMINER

DATE CONSIDERED